

Date: Fri, 3 Sep 93 18:24:15 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1045  
To: Info-Hams

Info-Hams Digest                      Fri, 3 Sep 93                      Volume 93 : Issue 1045

Today's Topics:

    ALERT: 03Sep93 Minor Geomagnetic Storm Alert  
        Another Ancient Mariner goes SK  
Daily Solar Geophysical Data Broadcast for 02 September  
    Daily Solar Geophysical Data Broadcast for 28 August  
        I can't find my original license  
        International Callsign servers  
    It's been almost 8 weeks - should I call?  
        Motorola Pulsar (2 msgs)  
    NiCad Question - When to give up?  
        Passed 20 W.P.M. test  
        Radio Shack attitudes  
        RTTY software  
        TH28 mods  
    There goes the rest of 20M  
        W9GR DSP KIT ??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 4 Sep 93 00:36:27 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ALERT: 03Sep93 Minor Geomagnetic Storm Alert  
To: info-hams@ucsd.edu

/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\

MINOR GEOMAGNETIC STORM ALERT

ISSUED: 00:00 UT, 04 SEPTEMBER

/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\

ATTENTION:

Geomagnetic activity has been moderately enhanced over the last 24 hours. Activity surpassed the minor storm threshold at 24:00 UTC on 03 September (or 00:00 UTC on 04 September). A well-placed extension of the northern polar coronal hole is responsible for this unexpectedly geoeffective disturbance. Most regions are seeing predominantly minor storm conditions. Periods of major storming will be possible over the high latitude regions over the next 24 hours. Recent observations suggest the disturbance may be intensifying slightly.

HF propagation conditions have destabilized over the middle, high, and polar latitude paths. Night-sector paths could see periods of potentially strong fading, absorption, and multipath activity for the next 24 to 36 hours. Improvements are expected on or after 05 September.

This disturbance should begin to subside later this UTC day (04 Sept), but may persist into 05 September.

\*\* End of Alert \*\*

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Date: Thu, 2 Sep 93 16:16:37 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: Another Ancient Mariner goes SK  
To: info-hams@ucsd.edu

--Too sad to copy, so I start fresh:

We'll 'get even' -----

Made 2nd contact with a VE20BK ... who is 2 months into CW.

--

Randy KA1UNW

If you get a shock while  
servicing your equipment,  
DON'T JUMP!

"Works for me!"  
-Peter Keyes

You might break an expensive tube!

-----  
Date: 4 Sep 93 00:15:54 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 02 September  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 245, 09/02/93  
10.7 FLUX=081.1 90-AVG=099 SSN=033 BKI=0012 2111 BAI=003  
BGND-XRAY=A5.1 FLU1=4.0E+05 FLU10=1.4E+04 PKI=1112 2221 PAI=005  
BOU-DEV=004,004,006,012,015,006,005,008 DEV-AVG=007 NT SWF=00:000  
XRAY-MAX= B1.3 @ 0219UT XRAY-MIN= A3.8 @ 2345UT XRAY-AVG= A6.4  
NEUTN-MAX= +002% @ 2010UT NEUTN-MIN= -002% @ 2200UT NEUTN-AVG= -0.0%  
PCA-MAX= +0.1DB @ 1455UT PCA-MIN= -0.9DB @ 1730UT PCA-AVG= -0.0DB  
BOUTF-MAX=55366NT @ 1311UT BOUTF-MIN=55318NT @ 1719UT BOUTF-AVG=55353NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+088,+000,+000  
GOES6-MAX=P:+127NT@ 1825UT GOES6-MIN=N:-054NT@ 1747UT G6-AVG=+103,+014,-039  
FLUXFCST=STD:080,080,080;SESC:080,080,080 BAI/PAI-FCST=010,010,010/015,010,010  
KFCST=1122 2111 1122 2111 27DAY-AP=019,018 27DAY-KP=2354 3332 3444 3223  
WARNINGS=  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 01 SEP 93 was 54.2.  
The Full Kp Indices for 01 SEP 93 are: 2- 0+ 0+ 1- 2- 2- 1o 2-

-----  
Date: 4 Sep 93 00:54:44 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 28 August  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 240, 08/28/93  
10.7 FLUX=088.4 90-AVG=101 SSN=071 BKI=3212 2222 BAI=007  
BGND-XRAY=A6.0 FLU1=9.7E+04 FLU10=1.3E+04 PKI=3212 3323 PAI=009  
BOU-DEV=020,011,007,010,017,016,013,017 DEV-AVG=013 NT SWF=00:000  
XRAY-MAX= B1.0 @ 0347UT XRAY-MIN= A4.1 @ 0728UT XRAY-AVG= A7.4  
NEUTN-MAX= +003% @ 2010UT NEUTN-MIN= -002% @ 2150UT NEUTN-AVG= -0.2%  
PCA-MAX= +0.2DB @ 1550UT PCA-MIN= -0.3DB @ 2305UT PCA-AVG= +0.0DB  
BOUTF-MAX=55372NT @ 0004UT BOUTF-MIN=55324NT @ 1740UT BOUTF-AVG=55353NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+081,+000,+000  
GOES6-MAX=P:+128NT@ 1719UT GOES6-MIN=N:-072NT@ 1949UT G6-AVG=+098,+007,-054  
FLUXFCST=STD:085,085,080;SESC:085,085,080 BAI/PAI-FCST=005,010,015/010,015,020  
KFCST=1223 3222 2234 4332 27DAY-AP=004,006 27DAY-KP=1101 2222 3121 1222  
WARNINGS=

ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 27 AUG 93 was 53.1.  
The Full Kp Indices for 27 AUG 93 are: 2- 0+ 2o 3o 4- 5- 4o 3+

-----  
Date: Thu, 2 Sep 93 16:10:12 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: I can't find my original license  
To: info-hams@ucsd.edu

mas@porgy.jpl.nasa.gov (Marc A. Sarrel) writes:

:  
: I'm looking forward to upgrading from Tech Classic to General sometime  
: soon, but I can't find my original FCC license to take with me to the  
: exam. I have a photocopy that I carry with me, but not the original.

:  
: What am I to do?  
:  
: Can I get the FCC to issue a replacement original, or will the  
: examiners most likely accept a photocopy anyway? -----Yes

:  
: Marc  
:  
: N7OLI  
:

Yes, as far as FCC issuing a replacement....just fill out form 610 and  
check off [ ]Replacement lic.

They will want an explanation why you don't have the original.

As to the Examiners, if they know you real well, they might say 'ok go on  
thru...' but by rights , they need to see the original IF there is any  
doubt it's 'for real' ( your liecence).

Whgat I did was to 1st get the replacement, Then , upon getting it, I made  
up the copies, and had no problem concerning examiners.

--

Randy KA1UNW

If you get a shock while  
servicing your equipment,  
DON'T JUMP!

You might break an expensive tube!

"Works for me!"  
-Peter Keyes

-----  
Date: 2 SEP 93 20:16:59 GMT  
From: tribune.usask.ca!skyfox!phillipsa@decwrl.dec.com  
Subject: International Callsign servers  
To: info-hams@ucsd.edu

Have tried cs.buffalo.edu and another couple of servers mentioned in the FAQ but can only find North American calls... Any international callsign servers out there that can handle ZL's and VK's???

Please reply to phillips@skisas.usask.ca

andre phillips z13aw/ve5, vk5aap, vk0ap...

-----  
Date: 3 Sep 93 19:36:10 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!usc!nic.csu.net!eis.CalState.EDU!  
sadams@network.ucsd.edu  
Subject: It's been almost 8 weeks - should I call?  
To: info-hams@ucsd.edu

Sorry to tell you that my brother has been waiting since June 26.

That's almost 10 weeks or .2 years

Steve  
KD6KGJ  
--

-----  
Date: 2 Sep 1993 20:17:47 GMT  
From: swrinde!gatech!concert!samba.oit.unc.edu!not-for-mail@network.ucsd.edu  
Subject: Motorola Pulsar  
To: info-hams@ucsd.edu

I just inherited a Motorola Pulsar radio, and have little idea what it is. It's a trunk mount HEAVY box, with a cable but no control head. The guy I got it from said he thought it was UHF. Model is T1776A. Can anyone provide me with any info on this unit? Is it worth keeping? Easy to retune for ham bands, is it multi-channel, any good parts (if nothing else I might be able to drive the power amp directly with my 440HT on low power and get 40 or so watts out...a cheap mobile amp?).

Any and all info would be most appreciated.

73 de Kirk, KD6RCT

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The opinions expressed are not necessarily those of the University of North Carolina at Chapel Hill, the Campus Office for Information Technology, or the Experimental Bulletin Board Service.  
internet: laUNCHpad.unc.edu or 152.2.22.80

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Date: Fri, 3 Sep 1993 13:27:26 GMT  
From: sdd.hp.com!elroy.jpl.nasa.gov!swrinde!gatech!destroyer!vela.acs.oakland.edu!w8hd!kenh@network.ucsd.edu  
Subject: Motorola Pulsar  
To: info-hams@ucsd.edu

Kirk.Smith@launchpad.unc.edu (Kirk Smith) writes:

>I just inherited a Motorola Pulsar radio, and have little idea what it is.  
>It's a trunk mount HEAVY box, with a cable but no control head. The guy  
>I got it from said he thought it was UHF. Model is T1776A. Can anyone  
>provide me with any info on this unit? Is it worth keeping? Easy to  
>retune for ham bands, is it multi-channel, any good parts (if nothing  
>else I might be able to drive the power amp directly with my 440HT on  
>low power and get 40 or so watts out...a cheap mobile amp?).

Hi Kirk:

There were two types of Pulsar radios; a long green painted one with a long heat sink on the end, and another that was shorter, and grey. The shorter one had a solid handle, the longer had a pull-out T handle.

Neither are easily reprogrammable because of the difficulty of supervisory board modifications. The green ones (now that I think of it, the green ones were 1414's) had channel elements, the grey ones had software controlled cchannel selection.

They also used a triselector instead of a duplexer, which was virtually impossible to tune.

I would not bother with it, but if you find something to do with it, let me know, since I have about six of them sitting in stock.

KWH

--

kenh@w8hd.org

Ken Hoehn - Teletech, Inc.

Compuserve: 70007,2374

N8NYO            P.O.Box 924            FAX: (313) 562-8612  
                 Dearborn, MI 48121    VOICE: (313) 562-6873

-----  
Date: Fri, 3 Sep 1993 18:47:09 GMT  
From: beta.lanl.gov!tjf@lanl.gov  
Subject: NiCad Question - When to give up?  
To: info-hams@ucsd.edu

Hi...I picked up a couple of salvaged "CareFree" 12 Volt Marine/GP Batteries for \$0.20 a pound. When I got them home and hooked them up to my charger, one went to 11 Volts and stuck there, another is stuck around 3 Volts. Any tricks I might try to jolt them to life or did I lose \$4? ;^)

Any helpful advice appreciated. I suppose I could use the lead in them to cast fishing lures....

Tom  
KJ5LT

-----  
Date: 2 Sep 1993 11:53:45 -0400  
From: swrinde!gatech!hubcap!opusc!not-for-mail@network.ucsd.edu  
Subject: Passed 20 W.P.M. test  
To: info-hams@ucsd.edu

In <264r9a\$3cv@jericho.mc.com> levine@mc.com (Bob Levine,x247) writes:

>In article sb2@bigbird.csd.scarolina.edu, dfrey@bigbird.csd.scarolina.edu (David Frey) writes:

>>A fellow ham and I gave a co-worker the Novice exam in early May. When his call >>arrived he was already a General. Two weeks ago he made Extra Class.

>>

>>15 weeks total.

>>

>>This any kind of record?

>>

>>73

>>David, AD4HM

>>

>We gave a guy his Novice test at a recent VE session. He passed it at >about 10:00. He upgraded to Extra (code & all theory) by noon.

>2 hours total.

>This any kind of record?

Yep, I'd say the VE's set a record by getting all the grading and paperwork done in such a short length of time :->

When I upgraded to Technician, I started the exam at 8:30 and turned my papers in about 20 minutes later. It was nearly 11:00 before I got my certificate. Seems the papers are stacked as they are turned in. I got wise at the General session and waited til last to turn it in. Took about 15 minutes that time.

Hey, but they are VOLUNTEERS, right?

73

David, AD4HM (soon-to-be VE)

-----  
Date: Thu, 2 Sep 93 15:41:39 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: Radio Shack attitudes  
To: info-hams@ucsd.edu

peterson@phyc1.byu.edu writes:

deletes done

: that is hard to connect with if you are working a regular job and the smaller  
: store in the area has reasonable hours but doesn't have a real good stock of  
: most items. I don't agree that we should boycott them - we just need to let  
: them know that if we have questions we will ask - just leave us alone while we  
: pick out the parts we need.

:  
: Bryan Peterson, peterson@phyc1.byu.edu  
: Provo, UT

IF they had a good stock...IF they had accessable hours...IF they told you  
yes we have xyz part (over the phone) and not make ya buy their catalog just  
to find out if they still carry a 2N107 ...and is it really on the hook...

....  
Then I would agree with you.

As to 'leave us alone' I used to train them good the FIRST time in:

'Can I help you?'

"Yes. I'm building an Interositor. I need all the parts for the control  
panel."



(or something way out like that)

Its fairly easy to get the guy to 'leave you alone'...it's all the rest of the stuff thats a problem.

--

Randy KA1UNW                    If you get a shock while  
                                 servicing your equipment,                    "Works for me!"  
                                 DON'T JUMP!                                       -Peter Keyes  
                                 You might break an expensive tube!

-----

Date: Thu, 2 Sep 1993 20:12:38 GMT  
From: swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!  
jholly@network.ucsd.edu  
Subject: RTTY software  
To: info-hams@ucsd.edu

I have the v2.04 of the WF1B RTTY program. I understand there is a newer version v2.09. Does anyone have a current address or phone number? Or anyone willing to help me get a current version?

Thanks, Jim, WA6SDM  
jholly@cup.hp.com

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Date: 3 Sep 93 19:26:40 GMT  
From: ogicse!uwm.edu!spool.mu.edu!mixcom.com!kevin.jessup@network.ucsd.edu  
Subject: TH28 mods  
To: info-hams@ucsd.edu

In <CCqun7.F8t@fc.hp.com> goris@fc.hp.com (Andy Goris) writes:

>A friend of mine just got a TH28, and I was wondering if someone could  
>repost, or e-mail me the mods and/or funny buttons to push to get  
>extra features, like AM receive (it does have this, doesn't it?)

>Thanks,  
>Andy Goris  
>AA0CM  
>goris@fc.hp.com

I have some easily performed mods for FULL UHF receive (not just the amateur 70cm band) and out-of-band transmit (CAP/MARS).  
Note that AM aircraft band receive is a standard feature of the

TH28A. Read the manual.

I mailed these to the above party. If anyone else would like them,  
send Email.

--

Kevin Jessup, N9SQB "A bad day of DXing is better than a good day at work."

-----  
The U.S. Constitution defines the rights the people  
give to the government, not the reverse!  
-----

Date: Thu, 2 Sep 93 16:01:48 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: There goes the rest of 20M  
To: info-hams@ucsd.edu

kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:  
: In article <CCnn7y.HD0@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles  
Adams) writes:

: >  
: >1990-present: 7.000-7.040 cw  
: > 7.040-7.150 digital es rtty  
: > 7.100-7.300 foreign broadcast  
: > 7.150-7.300 some ssb between the foreign broadcast  
: >  
: >now we have dx ssb from 7.000 to 7.060  
: > digital from 7.000 to 7.150  
: > foreign broadcast 7.100 to 7.300  
: >  
:

: I just got my ham ticket a couple of years ago, and I find your post  
: quite enlightening, Chuck. I certainly had noticed a major discrepancy  
: between the "gentlemens' agreement" discussed in the introductory ARRL  
: book and what I was hearing at the lower end of 40 meters. Maybe I just  
: wasn't listening before, but it seems to me that even two years ago I  
: never heard SSB signals from 7.025 - 7.040. More recently I do hear them,  
: and they always seem to be from South America I think (spanish).  
:

: increased difficulty in establishing and keeping scheduled QSOs, and  
: more intolerance for those who don't use the "correct" mode. Actually the  
: intolerance is probably there already, but with the modes segregated into  
: distinct subbands we don't have to listen to the modes we don't like ;-)  
:

: >....  
:

```

: >our favorite modes.  remember, the bicycle is still around.  it hasn't
: >been outlawed, yet i see a lot of people with the attitude that A1 should
: >be outlawed and/or taken off the bands.  you'll take my cold dead hands
: >from my keyboard and/or kent or bencher.
:
: I can't agree with this...I have never heard anyone with the attitude that
: A1 should be banned from the air.  I think you just wanted an excuse to
: use the trite "cold dead hands" phrase ;- )  I do agree with you on the last,
: though...and at 33 yrs old I'll be around a while to make sure A1 survives
: on the bands for a few more decades.
:
: we need to keep some semblance of order on the HF bands, or they are going
: to become unusable for everyone.  Semi-automatic operation is clearly a
: step in the wrong direction, as it allows interference to occur.  Even though
: such interference is not *intentional* interference, that doesn't make it OK.
:
: There may be some interesting irony in the works here for the digital folks:
: If the band gets so trashed that interference becomes the rule rather than
: the exception, and since Spread Spectrum is not allowed on the HF bands,
: then the A1 mode will probably become the most reliable way to communicate
: over HF!
:
: 73,
:
: --
: [] [] [][] [][] Kevin Sanders, KN6FQ NCR Torrey Pines
: [] [] [] [] [][] Dump MS-DOS. Prevent Programmer Burnout with Linux.

```

Well, then theres 3 of us who feel essentially the same way.

Sence it takes ( me ) too long to twiddle the knobs to notch out QRM from another CW sig 'a couple hundred cps away' , I've (somehow) learned to do the filtering in my head.

Be dog-goned, it works!

But get some TTY ( of which I am not so sure is even Ham...it runs on & on & on ) that has either the mark or space freq dead smack on same freq as the guy you are trying to hear.... ehhhh.

So it just may well be, everone will revert back to CW when no other way works.

--

Randy KA1UNW

If you get a shock while  
servicing your equipment,  
DON'T JUMP!

You might break an expensive tube!

"Works for me!"

-Peter Keyes

-----  
Date: Fri, 3 Sep 1993 13:59:16 GMT  
From: sdd.hp.com!math.ohio-state.edu!darwin.sura.net!gatekeeper.es.dupont.com!  
esds01.es.dupont.com!wmvx.dnet.dupont.com!taylorjh@network.ucsd.edu  
Subject: W9GR DSP KIT ??  
To: info-hams@ucsd.edu

In article <CCFL70.4tr@spk.hp.com> depaul@spk.hp.com (Marc DePaul) writes:  
>From: depaul@spk.hp.com (Marc DePaul)  
>Subject: W9GR DSP KIT ??  
>Date: Fri, 27 Aug 1993 18:40:12 GMT  
>Hello.  
>  
>I've got the W9GR DSP kit. It helps with the noise and hetrodynes, but is  
>much too noisy to use for the cw filtering, ESPECIALLY the 30 Hz filter.  
>  
>If you have the kit, could you please explain, in lay terms, how to make  
>the kit much less noisy. The noise, I guess, is the sampling noise I hear.  
>It is almost as loud as the signal itself...And, yes I'm tuning in the  
>signal where it is loudest, and am driving the volume to the kit at the  
>prescribed amount.  
>  
>Also, do you know of a way to change the 750 Hz (#9) to either 700 Hz  
>or 800 Hz??  
>  
>Thanks in advance,  
>  
>Marc DePaul  
>depaul@hpspkfsf.spk.hp.com  
>  
>(By the way the noise is slightly stronger (vs the signal) with the  
>cans on.)

I have the kit as well and have used it extensively over the last month or  
so. I have no complaints! It is a terrrrific asset for SSB communications.  
I have used it a little bit for CW, but not much.

Quantics has a warantee policy.... HOWEVER, because of bad experience with a  
lot of "warantee" returns which turned out to be nothing other than poor  
solder joints on the pc-board, they have instituted a policy which requires  
that you send a \$40 check with your warantee return. If it is truly a  
warantee problem, they will repair it and return you check with the unit.  
If is is a construction problem, they will repair it for you but keep the  
check as a repair charge. Since, I am not experiencing any "noise" with my  
unit, I think that you have some kind of malfunction.

Hope this helps....

John  
- K3ZKA -

-----  
John H. Taylor  
E. I. DuPont de Nemours & Company, Inc.

Opinions expressed are solely those of the author  
and do not represent statements by the DuPont Company  
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Date: Thu, 02 Sep 1993 17:31:49 GMT  
From: psinntp!witch!mlb!mbayern@uunet.uu.net  
To: info-hams@ucsd.edu

References <745820220snx@llondel.demon.co.uk>, <25e9od\$kfq@k2.San-Jose.ate.slb.com>, <746284559snx@llondel.demon.co.uk><260ge3\$7rj@k2.San-Jose.ate.slb.com>

Reply-To : mbayern@mlb.win.net (Mark Bayern)

Subject : Re: A strange thing that happens when you are learning code

In article <260ge3\$7rj@k2.San-Jose.ate.slb.com>, Clark Jones (jones@San-Jose.ate.slb.com) writes:

>David Hough (dave@llondel.demon.co.uk) wrote:

>: In article <25e9od\$kfq@k2.San-Jose.ate.slb.com> jones@San-Jose.ate.slb.com (Clark Jones) writes:

>: >David Hough (dave@llondel.demon.co.uk) wrote:

>: >

... stuff here is now gone!! ...

>: A local radio club used to hire a coach which one of the club members (who  
>: had a UK PSV driving licence) would drive to various shows around the country.  
>: They would put a big banner in the back window with the club name on it. One  
>: enterprising amateur overtaking did send a CQ on his horn, and probably had  
>: the fright of his life when the driver answered him in CW on the coach horn.  
>

>Dave, it took me until the end of this paragraph to remember that on your  
>side of the "pond", a "coach" is what we on this side call a "bus". (I  
>recall seeing a sign on my first visit to the UK that read "Football coaches  
>prohibited unless booked in advance". In the U.S., that would mean that the  
>"director" of the football team was only permitted to enter if arrested ahead  
>of time... ;-)

>

>

>  
>

Clark

You'd also get a surprise when you discovered that their football game is played with a round ball then ONLY the goalies get to use their hands -- although everyone can use their heads!

Mark WB7UNR

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End of Info-Hams Digest V93 #1045

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